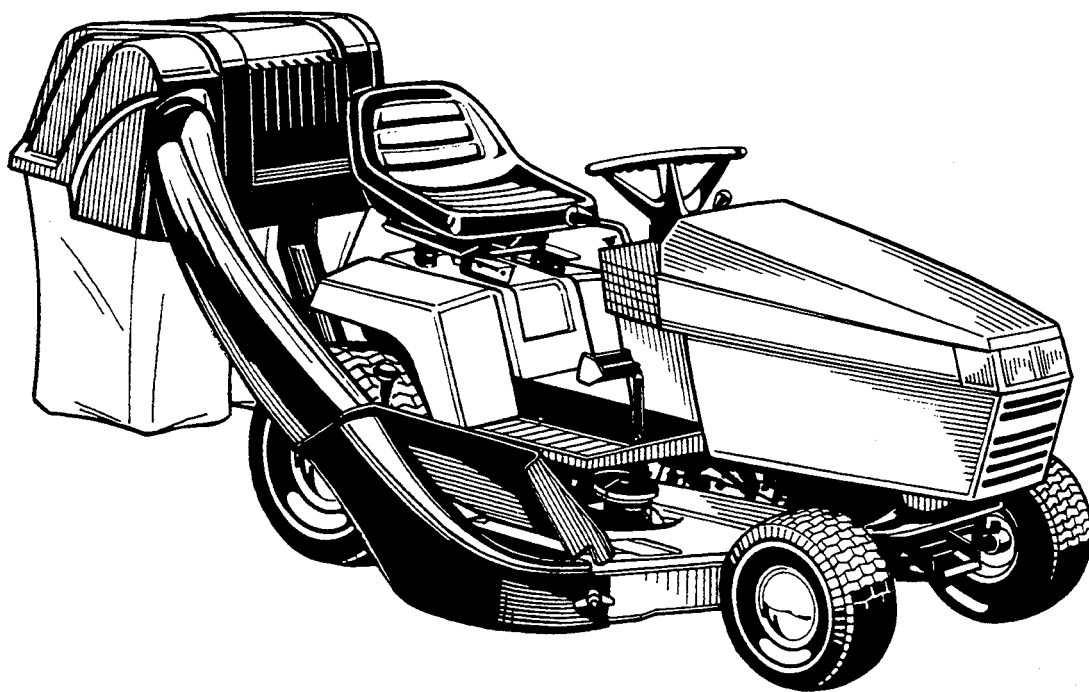


OPERATOR'S MANUAL

Twin Bag Grass Catcher

Mfg. No. 1691767



Simplicity®

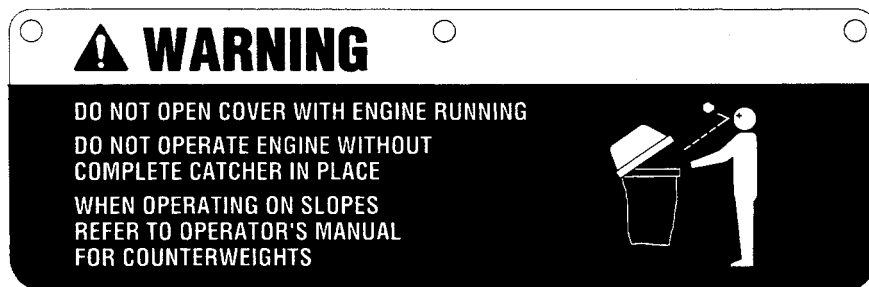
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TORQUE SPECIFICATIONS	Inside Rear Cover

Recommended Accessories


Always use front counterweight (1691837) when using rear-mounted grass catcher. On slopes over 15% (8.5°), use two rear wheel weights (1690555) in addition to front counterweight. Always mow up and down the face of slopes, never across the face. Never mow on slopes greater than 30% (16.7°).

Safety Decals



Safety Rules



Read these safety rules and the safety rules in your Operator's Manual and follow them closely. Failure to obey these rules could result in loss of control of vehicle, severe personal injury to yourself, or damage to property or equipment. The triangle  in the text signifies important cautions or warnings which must be followed.

1. Know the controls and how to stop the tractor quickly. READ THE TRACTOR'S OPERATOR'S MANUAL.
2. Shut the engine (motor) off before attaching, adjusting or disconnecting the collection system.
3. Check the grass catcher frame to make sure it is attached securely to tractor.
4. Look behind to make sure the area is clear before backing up.
5. **CAUTION:** For added tractor stability and to prevent tipping or loss of control;
 - a. DO drive in reduced speed on uneven ground and when turning corners.
 - b. Reduce loads on hillsides. It is recommended that the Collection System be kept only half full when negotiating any slopes. Start mowing on slopes when the Collection System is empty.
 - c. Mow up and down the face of slopes: **never across the face of any slope.**
6. **CAUTION:** Objects may be thrown from mower. For your safety.
 - a. DO NOT open the cover while the mower blades are turning. Shut off the engine before removing the grass chute.
 - b. Be sure the complete Collection System is in place (cover secure and grass chute connected) before operating the mower.
 - c. DO check the cover and bags frequently for wear and tear. Replace with the new cover for safety protection.
7. For best results when mowing grass: Set the mower to cut off from 1 to 2 inches of grass (leave 1-1/2" of grass). If grass is exceptionally tall, set your mower as high as possible for first cutting. Lower cutting height at succeeding cuttings until proper height is reached. It may be necessary to mow tall grass at a slower tractor ground speed (keep engine at full throttle).



WARNING

Do not operate the tractor unless the entire grass catcher system or mower discharge deflector is properly installed.



WARNING

Before raising cover, disengage mower, turn off engine and remove the key. Do not remove catcher tube from adapter or cover while mower is running.

Installation & Removal

NOTE: For first-time installation, follow Assembly Instructions provided at the back of this manual

NOTE: If mower deck is equipped with Mulching Kit, the mulching baffles must be removed for grass collection. Make sure the high-lift blades (packaged with the Grass Bagger Kit) are installed (refer to step 3, page 7). Standard low-lift blades are recommended for mulching operation.

1. Install grass bag and bracket assembly (A, figure 1) onto frame spacers (B) as shown in figure 1. Guide front slots of bracket assembly over front spacers and push forward so assembly will rest on rear spacers. Install clevis pin (C) through back plate drawbar and secure with spring clip (D). If assembly is too bulky to install, separate grass bag cover (A, figure 2) from upright supports (B) by removing clips (D) and long clevis pins (C). Reinstall cover after support is installed.

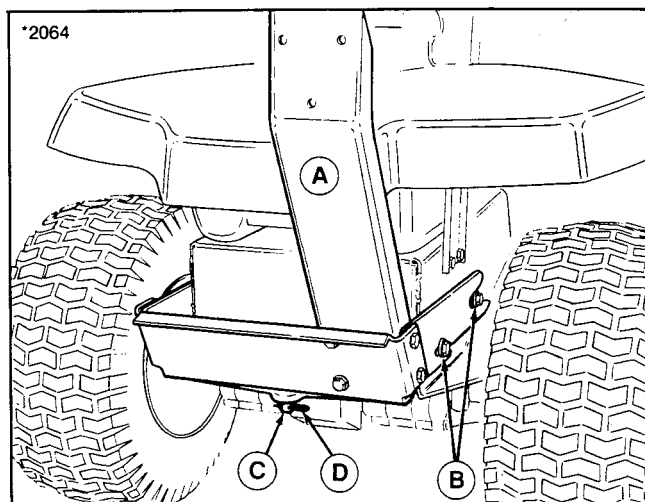


Figure 1.

A. Bracket Assembly
B. Spacers

C. Clevis Pin
D. Spring Clip

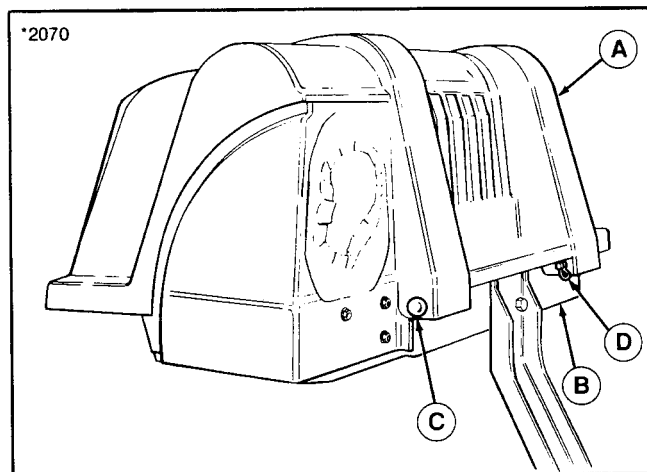


Figure 2.

A. Cover
B. Support

C. Clevis Pin
D. Clip

2. Open grass bag cover and install grass bag frames (A, figure 3) to support brackets (B).

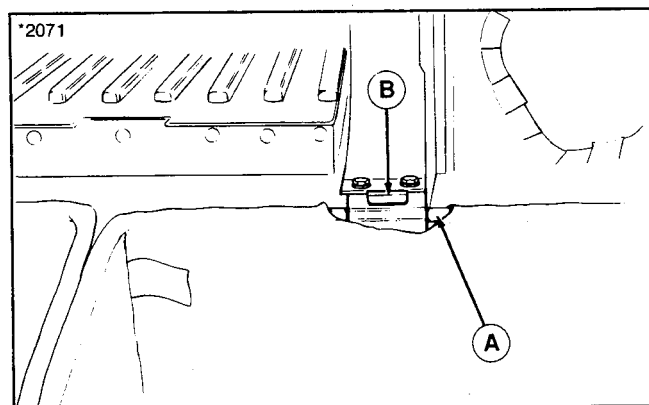


Figure 3.

A. Grass Bag Frame
B. Support Bracket

3. Lift the deflector up and install the adaptor (A, figure 4) to mower deck by hooking bracket over deflector support rod in rear and positioning front adaptor slot (D) under wing nut (B). Secure by tightening wing nut. Make sure that bottom of adaptor is below stone guard.

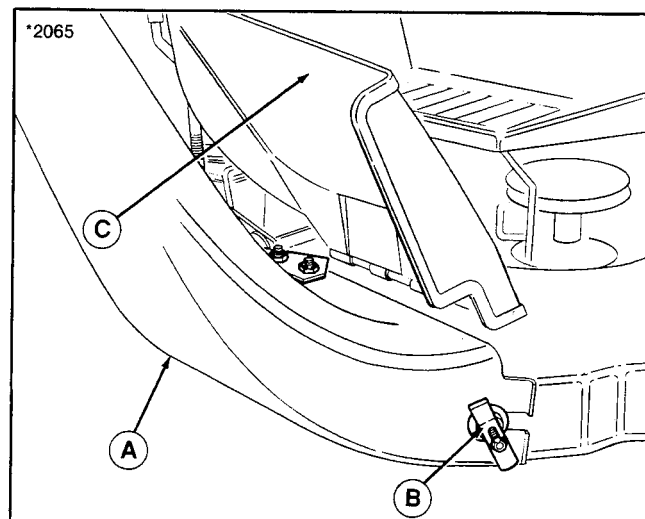


Figure 4.
A. Adaptor
B. Wingnut
C. Deflector

4. Install tube (A, figure 5) as far as possible into opening to clear adaptor and install over adaptor. Secure by rotating wire form (B) down into locked position over rubber cup on adaptor (see inset).
5. Make sure deflector is positioned on adaptor so height adjustment lever can be fully rotated.
6. To remove grass catcher, reverse above steps. Make sure deflector (C) is in proper operating position (see figure 5).

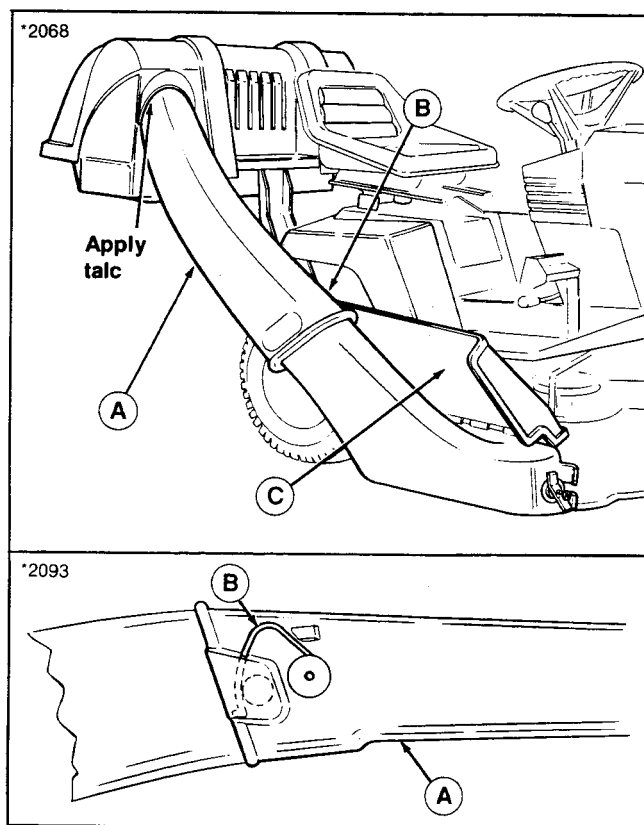


Figure 5.
A. Tube
B. Wire Form
C. Deflector

Operation and Storage



WARNING

For safety reasons grass and debris are to be removed only after engine is shut off, key removed, and all moving parts stopped.



WARNING

Before raising cover, shut off engine, remove key, and set parking brake.

BEFORE OPERATION

Clear the lawn of all sticks, stones, wire and other debris which may be caught or thrown by the mower blades.

Clean the tube with mild detergent (other products may damage tube). Inspection windows can be removed to be cleaned. Make sure windows are securely in place before operating.

Check grass condition. If wet, wait until later in the day. If grass is wet plugging may occur.

For efficient bagging, air circulation under the mower deck, through the chute and into the bag is very important. For this reason, you should remove grass and debris from underside of mower deck, discharge chute and screen inside cover.

The adapter and tube should be removed for cleaning. Unhook the wire form and remove the tube from the adaptor. Loosen the wingnut securing the adaptor to mower deck.

If desired, the bags can be lined with 30 gallon trash bags for easy disposal.

Inspect the grass bags for wear or damage. Make sure that there is a snug fit between mower deck, adaptor, tubes, and grass bag cover.

OPERATION

Grass should be cut often, and not too short. If grass is too long or lush it may be necessary to keep ground speed to a minimum or to cut only half the width to prevent clogging. If grass is high, operate with mower in high cutting position. Cut the grass again in lower cutting position, if desired.

To check if grass is flowing up tube, view tube through rear inspection window. Do not open cover with mower engaged.

To check if grass bags are full, reach back and feel top of right bag (left bag will fill first) or view tube through front inspection window.

If a large amount of cut grass is spilling out from under deck, the tube may be plugged or grass bags are full. Shut off tractor, disengage PTO, and allow all moving parts to stop before disconnecting tube.

NOTE: If mower deck is equipped with Mulching Kit, the mulching baffles must be removed for grass collection. Make sure the high-lift blades (packaged with the Grass Bagger Kit) are installed (refer to step 3, page 7). Standard low-lift blades are recommended for mulching operation.

Always operate with throttle at full speed.

EMPTYING THE BAGS

NOTE

Move the seat to the forward position and tilt up to allow cover to remain in "up" position.

Raise the cover. If a plastic liner was not used, unhook the bag and turn inside down to empty (use handle on bottom).

If plastic liner was used, first tie up top of liner. Then, either pull the liner out, or turn the bag upside down and allow the filled liner to slide out.

STORAGE

1. Clean the grass catcher thoroughly.
2. If paint has been scratched on metal parts, coat with paint or oil.
3. Store in a dry area. Hang the bags to dry. Always store away from moisture.

Troubleshooting

This section provides troubleshooting instructions for the more common and easily corrected problems. See Table 1. For problems not covered, see your dealer.



WARNING

To avoid serious injury, perform maintenance on the grass catcher only after stopping the engine and waiting for all moving parts to come to a complete stop. Always remove the ignition key before beginning the maintenance to prevent accidental starting of the engine. Disconnect the spark plug wire and fasten away from plug.

Problem	Cause/Remedy
1. Leaves and grass not being completely picked up.	<ul style="list-style-type: none"> A. Engine speed too slow. Run at full throttle. B. Ground speed too fast. Use lower speed. C. Discharge tube plugged. Stop engine and remove key. Then remove and unplug discharge tube. D. Using wrong mower blades. See Setup Instructions. E. Blades not tight. Torque to 60 ft. lbs. F. Mower not level. See Operator's Manual to level mower. G. Belt or clutch slipping. See tractor Operator's Manual for adjustment.
2. Grass catcher discharge tube or mower plugs easily.	<ul style="list-style-type: none"> A. Bags full. Empty bags. B. Grass too high. Reduce tractor ground speed, reduce cutting width or raise mower adjustment for the first pass, lower it for the second pass. C. Grass or leaves too wet. Wait for drier conditions. D. Build-up of cut grass in mower or adaptor. Clean thoroughly. E. Screen in grass bag cover clogged. Remove cover and clean screens. F. Using wrong mower blades. See Setup Instructions. G. Belt or clutch slipping. See tractor Operator's Manual for adjustment. H. Cutting off too much grass. High-lift blades and adaptor collect best when 1-1/2" above ground. I. Engine not running at full throttle. Use hydro lever to control ground speed and keep engine at full throttle.

Table 1. Troubleshooting

Assembly

ATTENTION SETUP PERSONNEL:

As setup personnel you have the obligations to know the product better than the customer. This includes safety related items. Prior to setup, thoroughly familiarize yourself with the Operator's Manual. Pay special attention to all safety warnings. Remember, it is your responsibility to set up the product safely and to know it well enough to be able to instruct a customer in the safe use of this power unit.

It is possible during setup to place yourself in a position which is more hazardous than when the unit is in operation. Safety is a matter of common sense . . . A matter of thinking before acting. Most shops have specific safety practices. Follow them. The precautions listed in the Operator's Manual should not supersede existing practices but should be considered as supplemental information.

1. Turn mower deck upright and support in position.
2. Position baffle with notched end towards discharge side opening. Install all hardware as shown in figure 1. The notch at the discharge side of baffle must be positioned to clear stone guard weldment. Tighten hardware at the discharge side of baffle first [carriage bolt (A), lockwasher (B), and nut (C)] and then at middle location [capscrew (F), lockwasher (H), and nut (I)] and finally at inside location.

After complete assembly of collection system, run mower at high RPM to make sure that blade does not contact baffle.

3. Remove existing discharge-side blade and retain hardware. Remove the retaining band (E, figure 1A) on arbor shaft and remove the existing splined adapter (F, 3-3/8" O.D.). This adapter can be discarded as new splined adapter (F, 2" O.D.) can be used with regular or high-lift blade. Install new 2" splined adapter with hub seated in grass shield (G).

Install the new high-lift blade (D, figure 1A) with tabs facing underside of mower deck. Secure with existing hardware (A, B & C) and torque capscrew to 50-70 ft. lbs. (68-76 Nm).

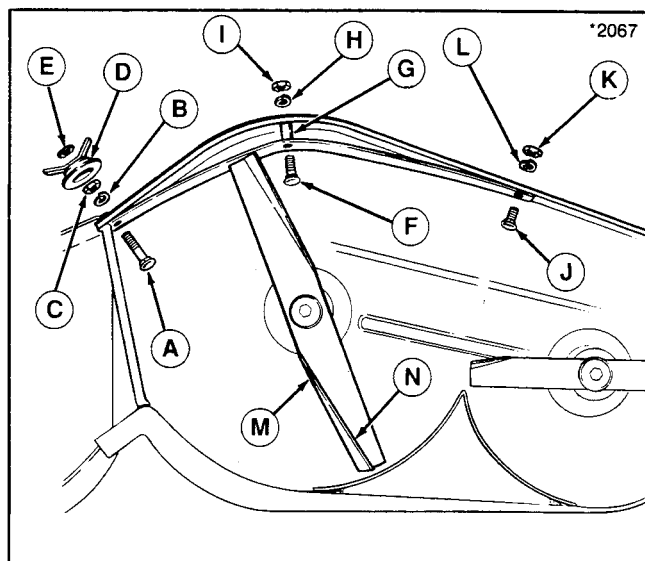


Figure 1.

Left Side:

- A. Carriage Bolt, 5/16-16 x 2-1/4
- B. Lockwasher
- C. Nut
- D. Wing Nut Assembly
- E. Centerlock Nut

Middle: (Qty. 2 All Locations)

- F. Carriage Bolt, 5/16 x 1-3/4
- G. Spacer (between baffle & deck)
- H. Lockwasher
- I. Nut

Right Side:

- J. Carriage Bolt, 5/16-5/8 x 5/8
- K. Nut
- L. Lockwasher
- M. High-Lift Blade
- N. Blade Tabs

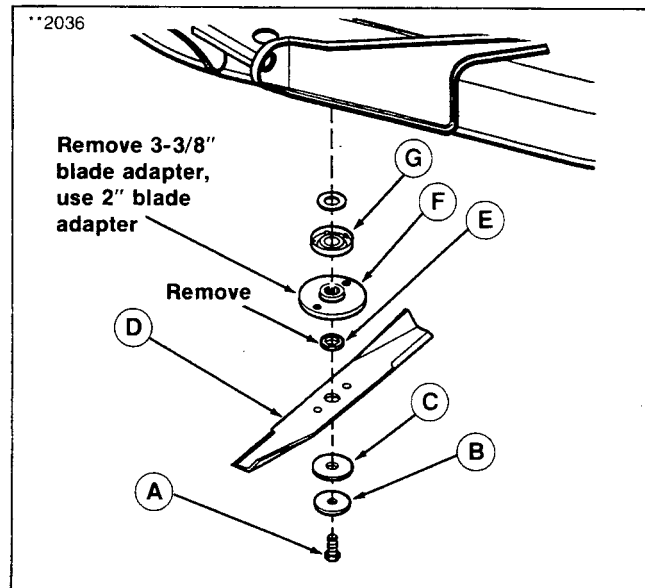


Figure 1A.

- A. Capscrew, 7/16-14 x 1
- B. Spring Washer
- C. Spline Washer

- D. Blade
- E. Retaining Band
- F. Splined Blade Adapter
- G. Grass Shield

4. Assemble spacers into lower frame holes as shown in figure 2. At rear location, install 3/8-16 x 1-3/4" capscREW (A, figure 2) through small washer (B, 7/8" O.D.), spacer (C), large washer (D, 1-1/4" O.D.) and frame. Secure with lockwasher (E) and nut (F).

At front location, install 3/8-16 x 1-3/4 capscREW (G) through same hardware as rear location. Use an additional small flat washer (7/8" O.D.) on the inside of frame and secure with lockwasher and nut.

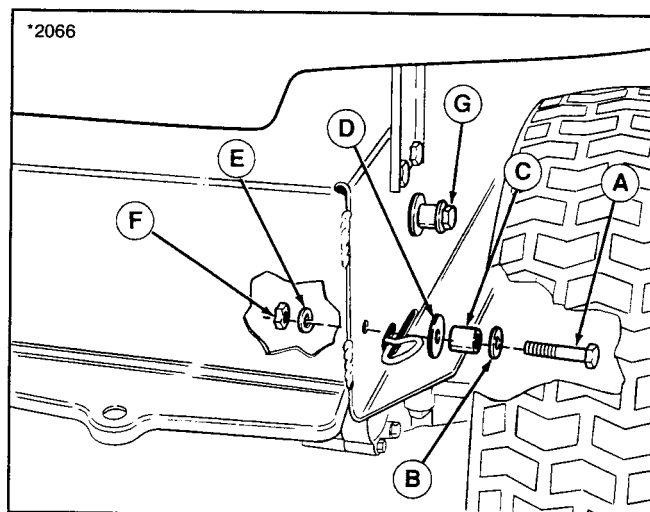


Figure 2.

- | | |
|------------------------------------|------------------------------------|
| A. CapscREW, 3/8-16 x 1-3/4 | E. Lockwasher |
| B. Small Washer | F. Nut |
| C. Spacer | G. CapscREW, 3/8-16 x 1-3/4 |
| D. Large Washer | |

5. Assemble left-hand side plate (A, figure 3) on the inside of back plate (B) as shown in figure 3. Do not tighten hardware securely.
6. On right-hand side, assemble side plate (C) between upright (D) and back plate (B). Do not tighten hardware securely.

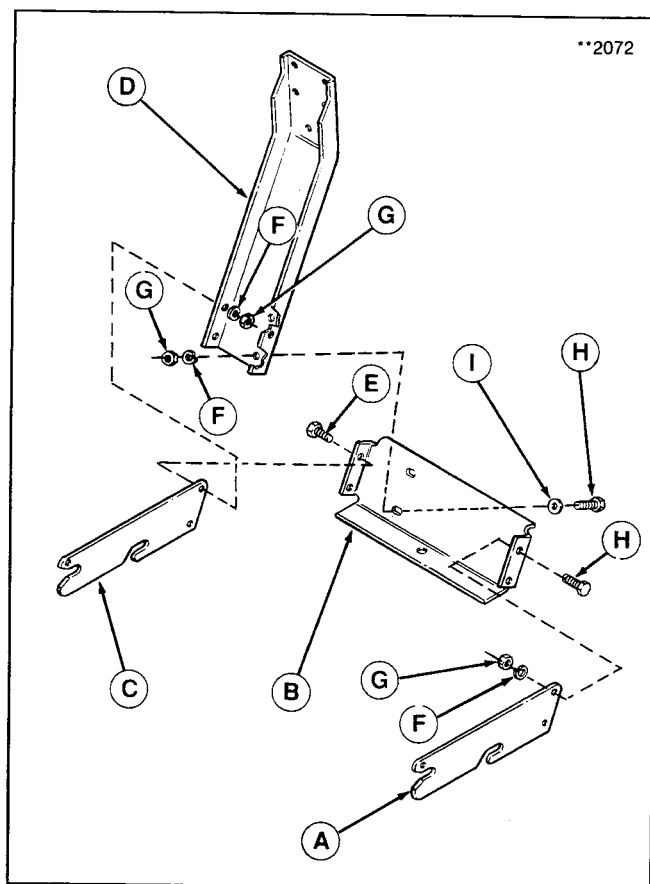


Figure 3.

- | | |
|------------------------------------|--------------------------------|
| A. Left Hand Plate | F. Lockwasher |
| B. Back Plate | G. Nut |
| C. Right Hand Plate | H. CapscREW, 3/8-16 x 1 |
| D. Upright | I. Flat Washer |
| E. CapscREW, 3/8-16 x 1-1/4 | |

7. Install bracket assembly (A, figure 4) onto frame spacers (B) as shown in figure 4. Install clevis pin (C) through back plate and drawbar and secure with spring clip (D). Tighten all bracket hardware after checking fitment on spacers.

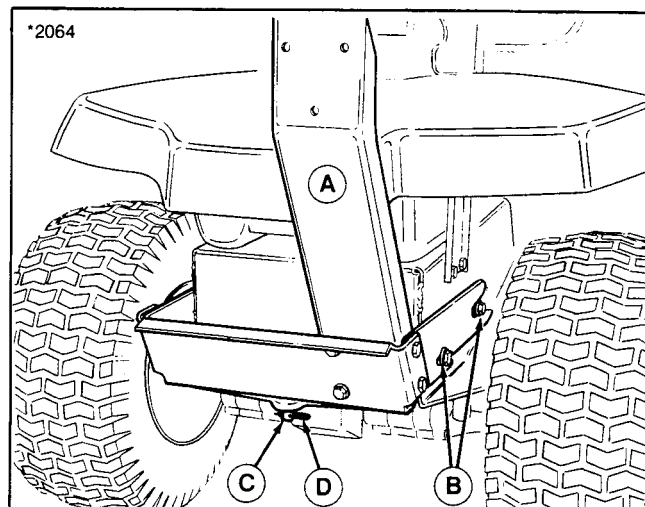


Figure 4.

- A. Bracket Assembly
- B. Spacers
- C. Clevis Pin
- D. Spring Clip

NOTE

Cover and bag support are packaged as an assembly with long clevis pins and clips. It may be easier to separate components for the following step.

8. Install horizontal bag support (A, figure 5) to upright (B) with four 3/8-16 x 7/8 capscrews (C) and flange locknuts. Install capscrews from the front and tighten when upright and support are square. Note that the open set of holes (D) is toward the discharge side of mower.

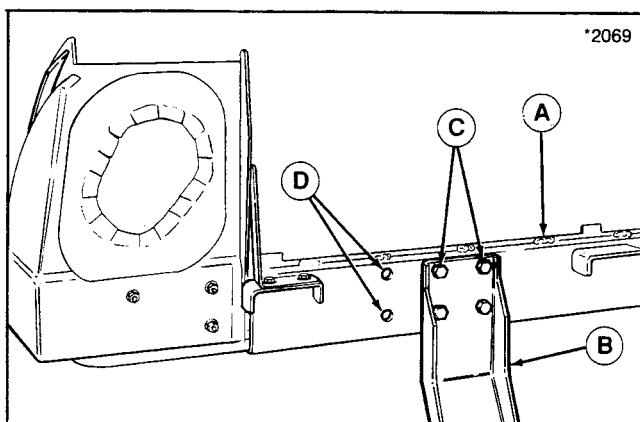


Figure 5.

- A. Bag Support
- B. Upright
- C. Capscrews, 3/8-16 x 7/8
- D. Open Set of Holes

9. Reinstall grass catcher cover (A, figure 6) to support (B) and secure with clevis pins (C) and clips (D).

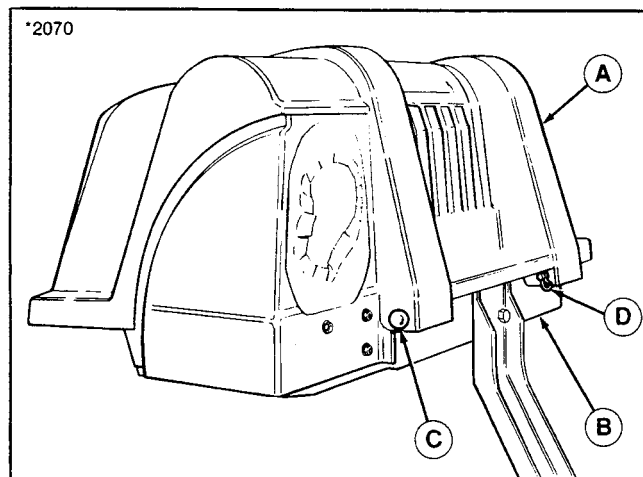


Figure 6.

- A. Cover
- B. Support
- C. Clevis Pin
- D. Clip

10. Install handle (A, figure 7) to rear surface of lid with offset toward the rear. Secure with two 10-32 x 1/2 truss screws (B, from inside) and 10-32 hex nuts (C).

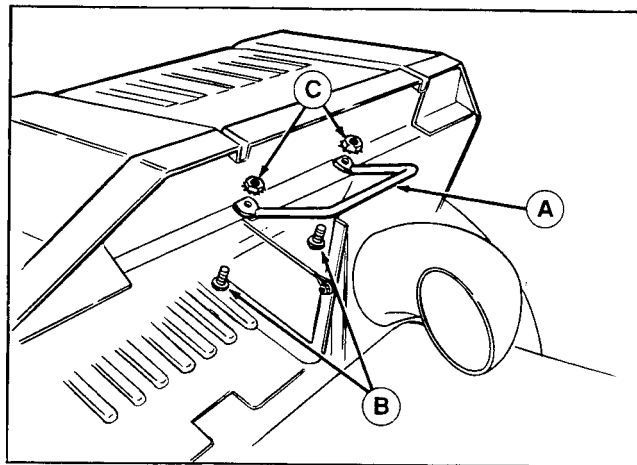


Figure 7.
A. Handle
B. Truss Screw
C. Hex Nuts

11. Open cover and fasten cable (A, figure 8) to tube support (B) to prevent cover from going overcenter when opened. Loop end of cable fits over washer (C).

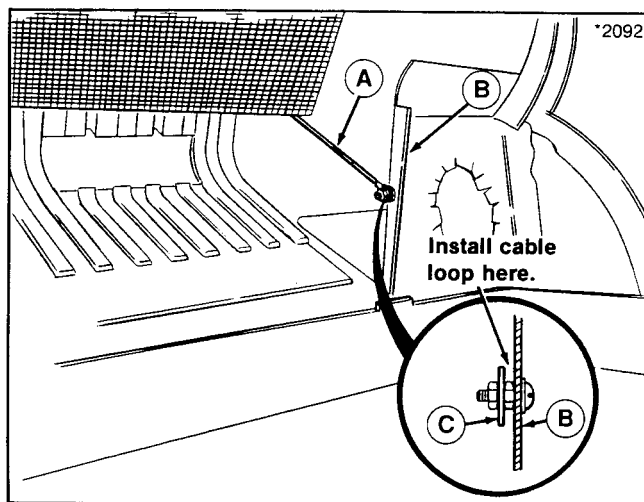


Figure 8.
A. Cable
B. Support
C. Washer

12. Open grass bag cover and install grass bag frames (A, figure 9) to support brackets (B). Make sure cover handle latches to grass bag frames. Plastic cover should be pre-assembled over grass bag frames.

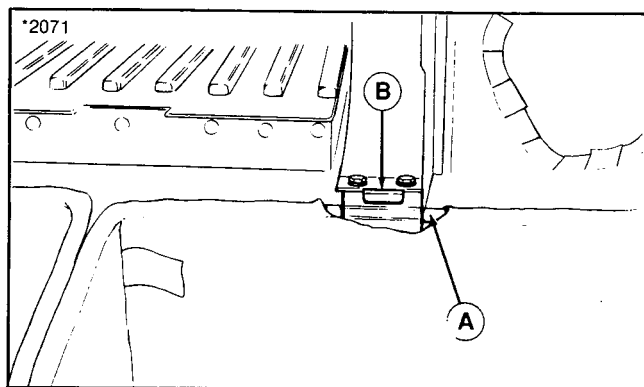


Figure 9.
A. Grass Bag Frame
B. Support Frame

13. Install the bracket (A, figure 10) onto adaptor (D) with two 5/16-18 x 3/4 capscrews (B) and hex locknuts (C). Lift the deflector up and install the adaptor (D) to mower deck by positioning over capscrew in front and hooking bracket over deflector support rod in rear. Secure by tightening wing nut (E).

NOTE

Check fitment after adaptor is installed. Front of adaptor should contact mower deck and rear bracket should be securely fitted around deflector support rod. If adjustment is needed, remove adaptor and loosen bracket mounting hardware enough to slide bracket forward/rearward. Recheck fitment and tighten bracket hardware when correct.

14. Apply dry talc powder to rubber seal at cover opening. Install tube (A, figure 11) as far as possible into opening to clear adaptor and install over adaptor.

15. Secure tube by moving wire form (A, figure 12) down over round cup (B) on adaptor surface.
16. Make sure deflector is positioned on adaptor so height adjustment lever can be fully rotated.

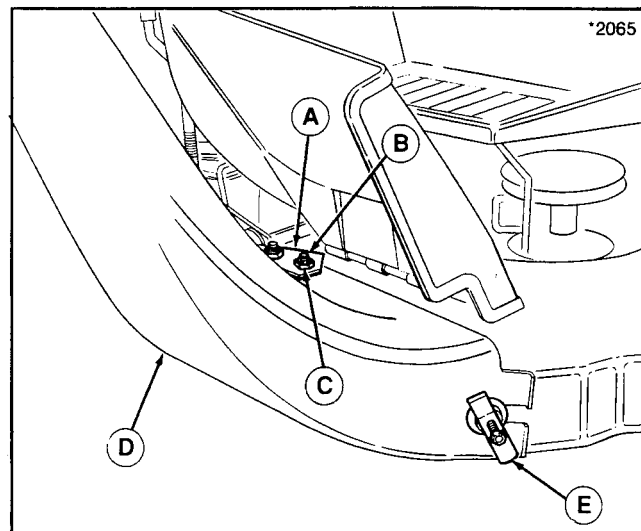


Figure 10.

- A. Bracket
B. Capscrew, 3/16-18 x 3/4
C. Locknut

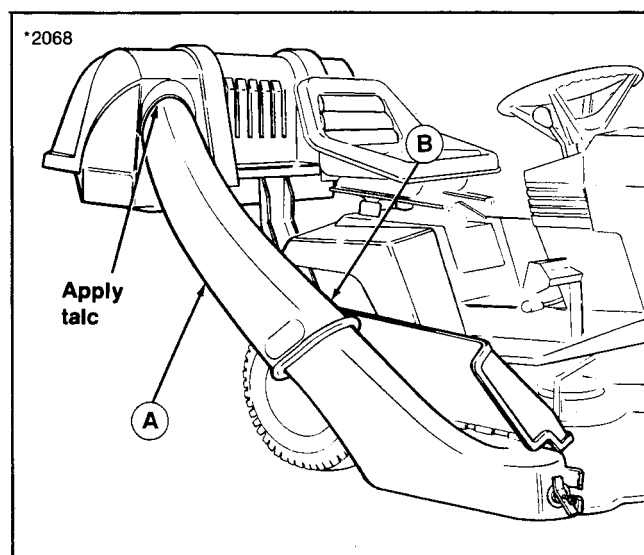


Figure 11.

- A. Tube
B. Wire Form Location

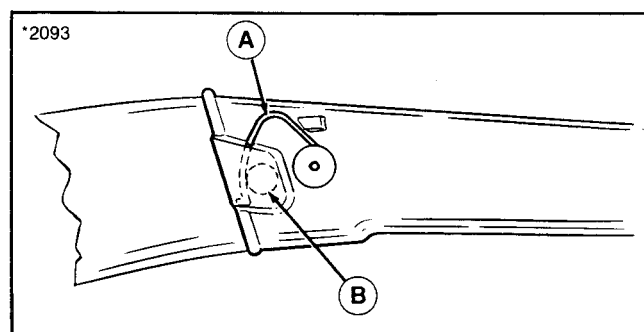


Figure 12.

- A. Wire Form
B. Round Cup

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